

IN THE CLAIMS

1 Claim 1 (Currently Amended) A method of providing a prosthetic socket for a residual limb that extends distally from a joint, comprising the steps of:

 positioning the residual limb in ~~a substantially positive~~ an approximately ninety
5 degree or greater flexion position;

 applying moldable means over at least a portion of the residual limb and joint;

 permitting said moldable means to cure and form a negative mold of at least a
 portion of the residual limb and joint; and

 removing said mold from the residual limb and joint.

10 Claim 2 (Original) The method of claim 1 further comprising the step of shaping said mold so that a desired range of motion in the joint is permitted when said mold is repositioned on the residual limb.

 Claim 3 (Original) The method of claim 2 further comprising the step of forming a
15 positive model of the residual limb using said mold.

 Claim 4 (Original) The method of claim 3 further comprising the step of constructing the socket over the positive model of the residual limb.

 Claim 5 (Original) The method of claim 4 further comprising the step of reducing
20 and building up the positive model of the residual limb prior to the step of constructing the socket.

 Claim 6 (Original) The method of claim 2 further comprising the step of repositioning said mold onto the residual limb after the step of shaping said mold.

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Claim 7 (Original) The method of claim 6 further comprising the step of making a cast of the residual limb that incorporates said mold.

Claim 8 (Original) The method of claim 7 further comprising the step of forming a positive model of the residual limb using said cast.

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Claim 9 (Original) The method of claim 8 further comprising the step of constructing the socket over the positive model of the residual limb.

Claim 10 (Original) The method of claim 9 further comprising the step of reducing and building up the positive model of the residual limb prior to the step of constructing the socket.

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Claim 11 (Original) The method of claim 1 further comprising the step of fitting a liner onto the residual limb and joint prior to the step of applying said moldable means over the residual limb and joint.

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Claim 12 (Original) The method of claim 11 wherein said liner is comprised of silicone.

Claim 13 (Original) The method of claim 11 wherein said moldable means is comprised of a resin-impregnated flexible sock.

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Claim 14 (Original) The method of claim 13 wherein said sock is comprised of carbon fibers.

Claim 15 (Original) The method of claim 13 wherein said sock is comprised of a lofted glass yarn.

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Claim 16 (Original) The method of claim 13 further comprising the step of adapting said mold to be coupled to a prosthetic appendage.

1 Claim 17 (Original) The method of claim 16 further comprising the step of
adapting said mold to be operatively coupled to a suspension system.

Claim 18 (New) A method of providing a prosthetic socket for a residual limb that
extends distally from a joint, comprising the steps of:

5 positioning the residual limb in a substantially positive flexion position;

applying moldable means over at least a portion of the residual limb and joint to

capture a shape formed by femoral condyles within the limb as they

naturally move into a proximal and anterior position, moving forward and

proximal at said substantially positive flexion position;

10 permitting said moldable means to cure and form a negative mold of at least a

portion of the residual limb and joint; and

removing said mold from the residual limb and joint.